

Preventative Radiological Nuclear Detection Program



PREVENTING THE UNTHINKABLE

FRAN SANTAGATA
PREPAREDNESS PROGRAM MANAGER
DHSEM



COLORADO

**Division of Homeland Security
& Emergency Management**

Department of Public Safety

PRND Program: What is it?

2

- Preventative Radiological Nuclear Detection Program
 - Global Nuclear Detection Architecture
 - Preventing a R/N incident from occurring through detection, good police work & information sharing
 - ✦ Identify Risks (Threat, Vulnerabilities, Consequences)
 - ✦ Identify Resources: Trained personnel, equipment
 - ✦ Plans (CONOPS & Strategy): how will we detect and how will we share info
 - ✦ Training
 - ✦ Exercise
 - ✦ Operationalize program



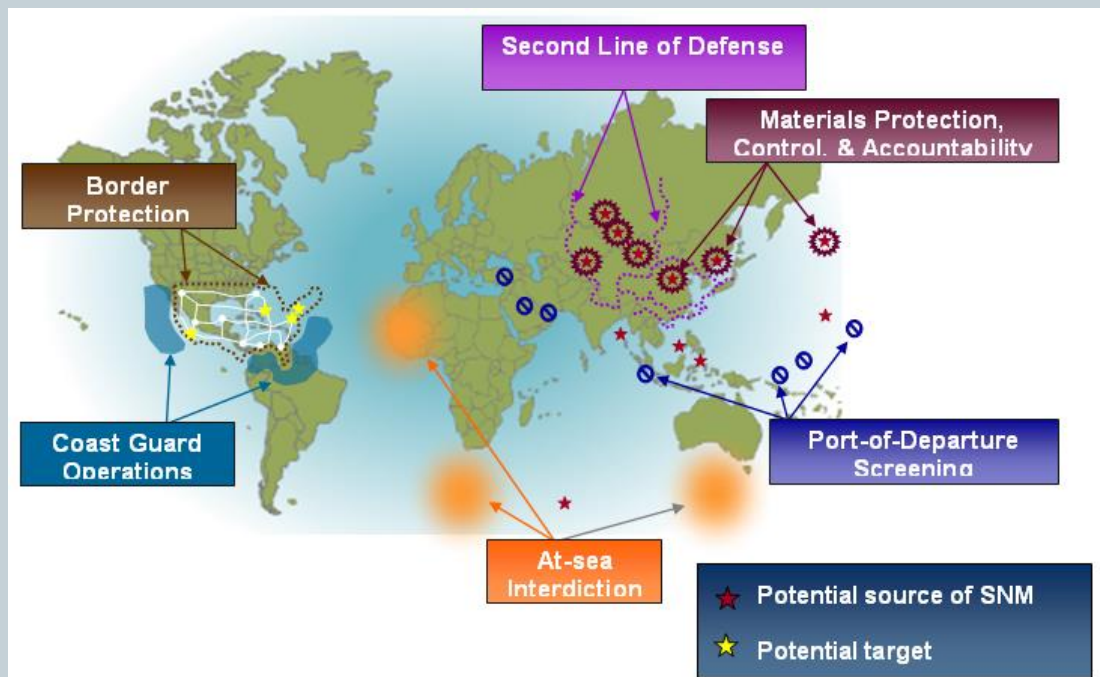
FOUO

Overall Strategy

3

- GNDA

- ✦ Multi-layered defense in-depth
- ✦ Well-defined, coordinated network
- ✦ Guidelines



A multi-layered, international system offers multiple opportunities for detection

FOUO

Colorado's PRND Program



4

- **Develop a PRND Working Group**
- **Conduct a Risk Assessment**
- **Plans: Develop appropriate plans**
- **Equipment: Acquire & Deploy**
- **Training: Provide what is needed**
- **Exercise**
- **Operationalize program**

Develop a PRND Working Group

5

- Using the WMD Working Group as the base- create an inclusive Working Group
 - Federal:
 - ✦ DHS (DNDO & FEMA)
 - ✦ EPA,
 - ✦ DHHS
 - ✦ DoD
 - ✦ NRC
 - ✦ DOJ
 - State
 - ✦ CSP HAZMAT
 - ✦ CIAC
 - ✦ CDOT
 - ✦ CDPHE
 - ✦ CST
 - Local
 - ✦ Local law enforcement
 - ✦ Local HAZMAT Team members
 - ✦ CSOC (County Sheriff's of Colorado)
 - ✦ CACP (Colorado Association of Chiefs of Police)
 - ✦ Additional stakeholders: Fire, EM, EMS, private sector
- Kick-off meeting for Core Group in May 2014
- Orientation to larger Stakeholder group- ongoing



Conduct a Risk Assessment

6

- **Assess the Threat & Vulnerability**
 - What is the nuclear threat & vulnerability here in Colorado?
 - What is the radiological threat & vulnerability here in Colorado?
- **Assess the Capability**
 - Who currently has detection capability?
 - ✦ Do we have teams (HAZMAT) that currently can perform some of this function?
 - ✦ Do we have law enforcement detection capability?
 - ✦ Do we have portal monitors?
 - ✦ What additional detection capability do we have (CDPHE, Hospital Health Physicists, MRC Rad team, EPA/DOE Region VIII resources)
 - What equipment do we need in order to perform detection & isotope identification?
 - Where is the equipment located?
 - What type of training is currently being provided?
 - Do we have an info sharing architecture for sharing alarm data & other rad/nuc threat data?



FOUO

Develop Plans

7

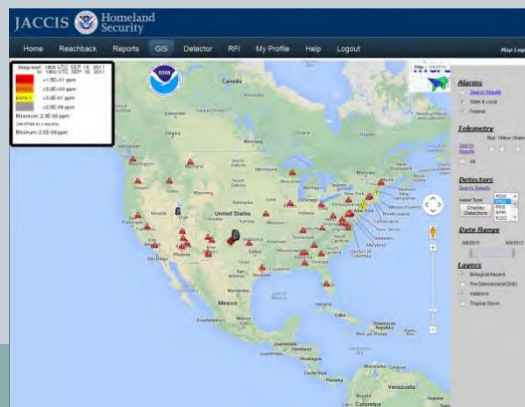
- Developed a CONOPS
 - Describes the program and how the partners will work together
- Completed a gap analysis to determine what we need to be successful
 - What equipment do we need?
 - What training do we need?
 - What exercises should we conduct?
- Developed a PRND Strategy
 - Public Facing Document
- Developed an Equipment Guideline document
 - Provides guidance on the capabilities and limitations of available equipment
- Develop local SOPs- in process
- MOU with DNDO- signed



Develop an Information Sharing Architecture

8

- For sharing
 - Alarm &
 - Other rad/nuc threat data
 - Relevant rad/nuc information
 - ✦ CDPHE Rad Division
 - ✦ CIAC
 - TLO network
 - ✦ Joint Analysis Center Collaborative Information System (JACCIS)



Acquire Equipment

9

- Review equipment assessment and complete a gap analysis
- Develop a prioritized list of equipment to be purchased
- Identify who the owners will be
 - Ensure that the owners can maintain/sustain equipment
 - Ensure that training on the equipment is standardized and available
- Identify funding sources
 - Initially, equipment purchases may be grant funded or donated
 - Long-term sustainability will require funding commitments
 - Develop standardized protocols & procedures
- Receive/Purchase & Deploy equipment
 - Received 40 PRDs & 10 RIIDs from DNDO- strategically deployed
 - Received Mobile unit- working on placement
- Train on the equipment
- Maintain the equipment



FOUO

Training

10

- PRND T&E Committee has developed a 1 year Plan
- Classes scheduled:
 - Quick Start TTT March 31-April 2nd
 - Primary Screener- April 20th
 - Secondary Screener- April 21-22
- Mobile Detection Deployment Unit (MDDU) tailgate training- RMAS May 29-31



FOUO



Exercise

11

- Develop a 1-2 year HSEEP compliant exercise series
 - A 1 year plan has been developed:
 - ✦ CONOPS TTX: May 19th
 - ✦ NCR Drills-Adding a rad component to existing planned exercises
- Execute plan

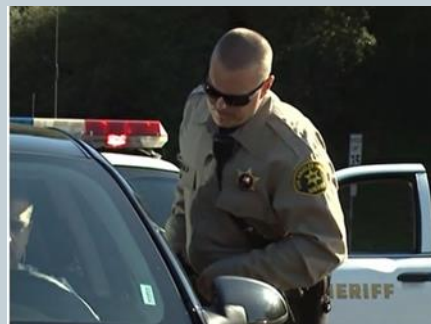


FOUO

Operationalize the Program

12

- Deploy PRDs to interested departments to begin field detection (primary & secondary screening)
 - Targeted areas of higher risk
- Look for opportunities for special event RND:
 - 1st event-Rocky Mountain Air Show (RMAS) May 29-31
- Work cooperatively with contiguous States
- Continue expanding Working Group membership



FOUO

Questions?

13

Fran Santagata

Preparedness Program Manager

fran.santagata@state.co.us

720-852-6616

dhsem.state.co.us

readycolorado.com

coemergency.com